

COMPENSATED INFRARED ABSORPTION
SENSOR FOR CARBON DIOXIDE
AND OTHER INFRARED ABSORBING GASES

ABSTRACT OF THE DISCLOSURE

A gas sensor, whose chamber uses filters and choppers in either a semicircular geometry or annular geometry, and incorporates separate infrared radiation filters and optical choppers. This configuration facilitates the use of a single infrared radiation source and a single detector for infrared measurements at two wavelengths, such that measurement errors may be compensated.